

**California High-Speed Rail Authority**



**RFP No.: HSR 13-57**

**Request for Proposals for Design-Build  
Services for Construction Package 2-3**

**Reference Material, Part A.2  
Standard Drawings**



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DRAINAGE		
DRAWING TYPE	DRAWING NO.	DRAWING TITLE
SD	SD-CD-900	TRACK DRAIN/UNDERDRAIN, CLEANOUT AND RISER DETAILS
SD	SD-CD-901	DITCH DETAILS
SD	SD-CD-902	STORM DRAIN HOLES
SD	SD-CD-903	RETAINING WALL DRAINAGE DETAILS

REV	DATE	BY	CHK	APP	DESCRIPTION

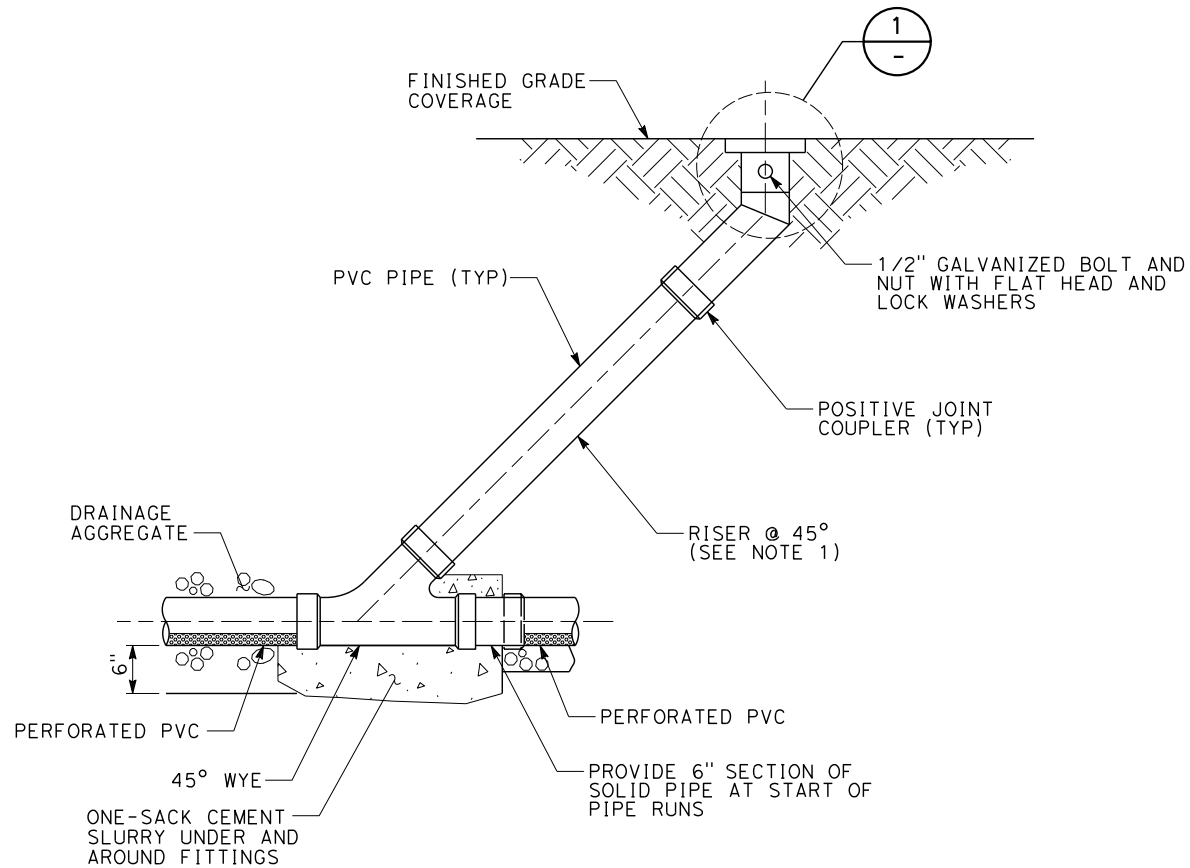
DESIGNED BY R. MINCIO
DRAWN BY V. HUANTE
CHECKED BY H. NGUYEN
IN CHARGE J. CHIRCO
DATE 01/24/2014

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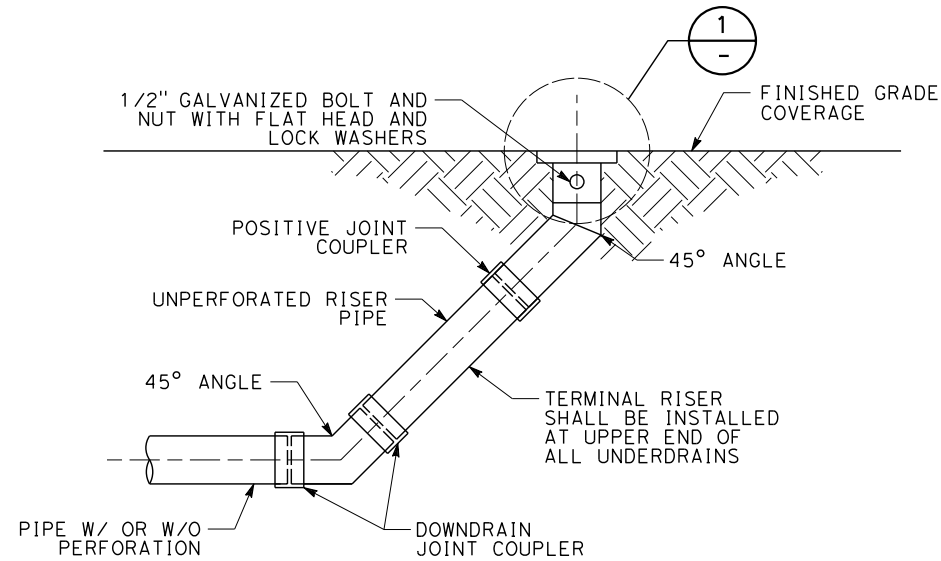


<b>CALIFORNIA HIGH-SPEED TRAIN PROJECT SIERRA SUBDIVISION</b>  STANDARD DRAWINGS CONTRACT PACKAGE 2-3 SHEET INDEX
CONTRACT NO.
DRAWING NO. INDEX-2 CP2-3
SCALE NO SCALE
SHEET NO.

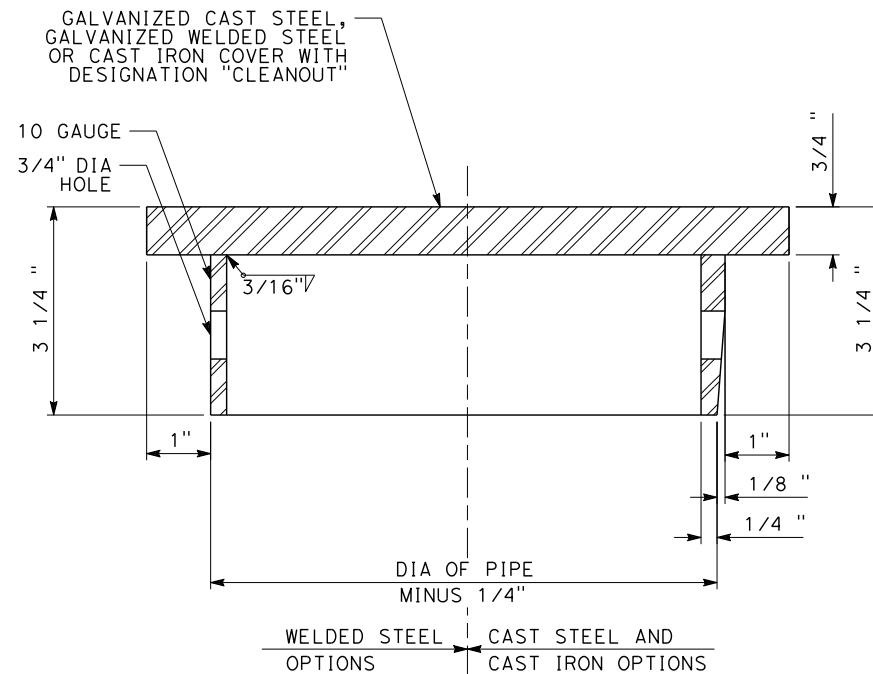
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**INTERMEDIATE RISER/CLEANOUT**  
SCALE: 1"=1'-0"



**TERMINAL RISER DETAIL**  
SCALE: 1"=1'-0"



**DETAIL**  
SCALE: 8"=1'-0"

**NOTES:**

1. RISER MAY BE ANGLED AT 90 DEGREES DUE TO SPACE CONSIDERATIONS.

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY K. SISTLA
DRAWN BY V. HUANTE
CHECKED BY A. ABTAHI
IN CHARGE J. CHIRCO
DATE 01/24/2014

**PARSONS  
BRINCKERHOFF**



**CALIFORNIA**  
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
DRAINAGE STANDARD**

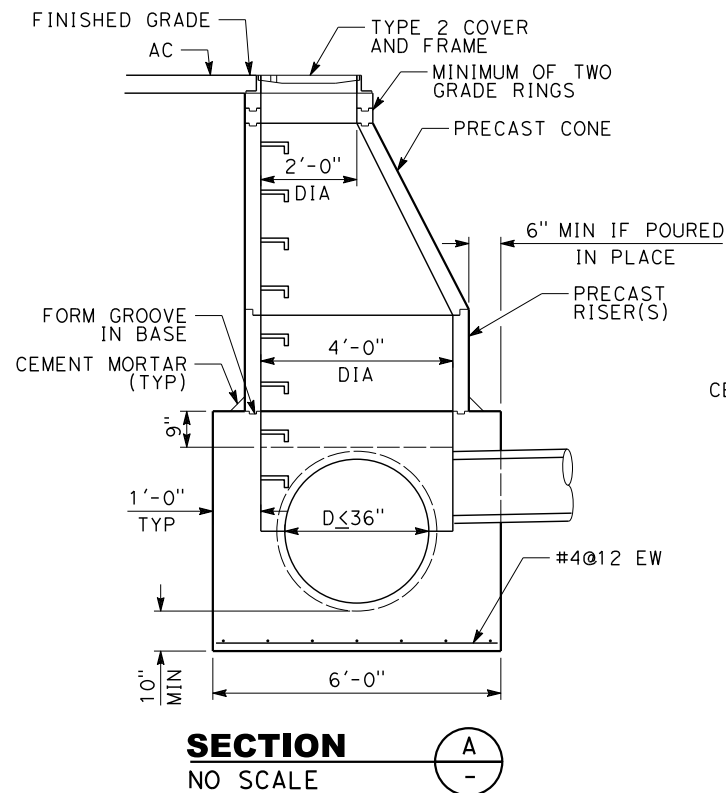
TRACK DRAIN/UNDERDRAIN  
CLEANOUT AND RISER DETAILS

CONTRACT NO.
DRAWING NO. SD-CD-900
SCALE AS SHOWN
SHEET NO.

04/02/2014 - RFP No.: HSR13-57



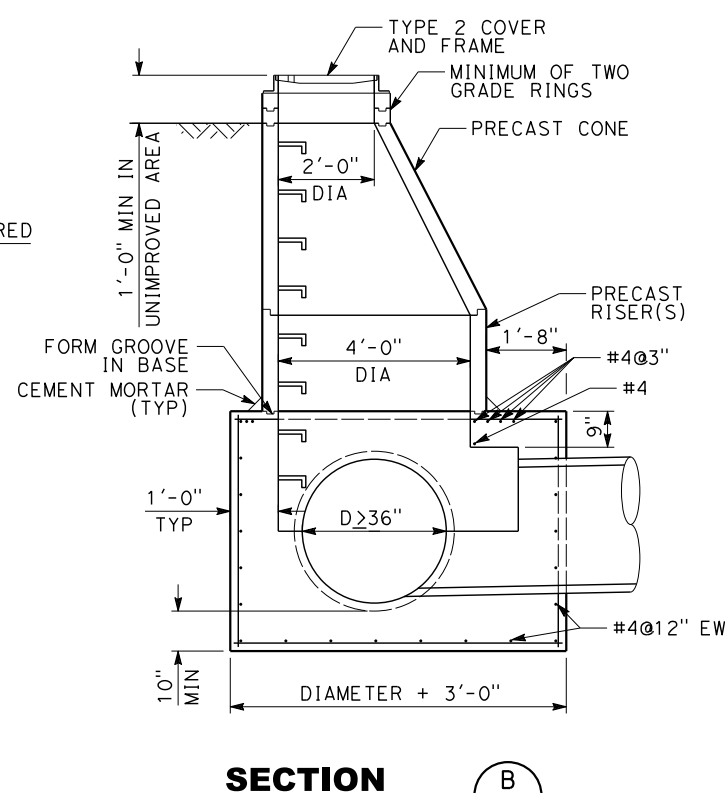
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**SECTION**  
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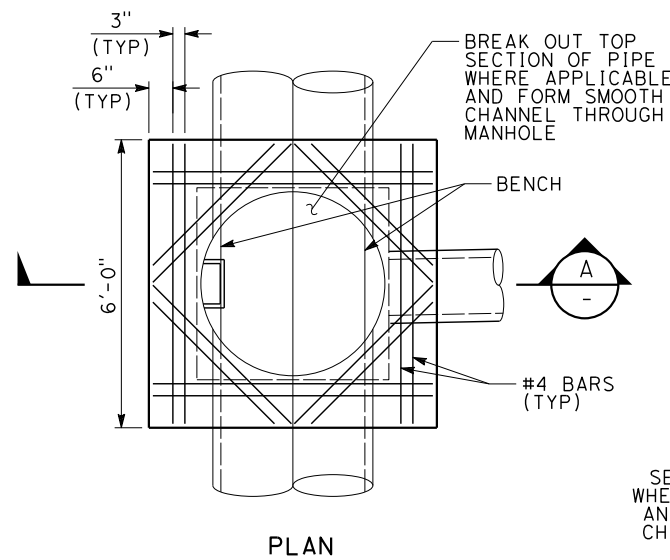
NOTE:  
FOR STEP DETAILS, SEE NOTES

**MANHOLE FOR  
PIPE DIAMETER 36" OR LESS**

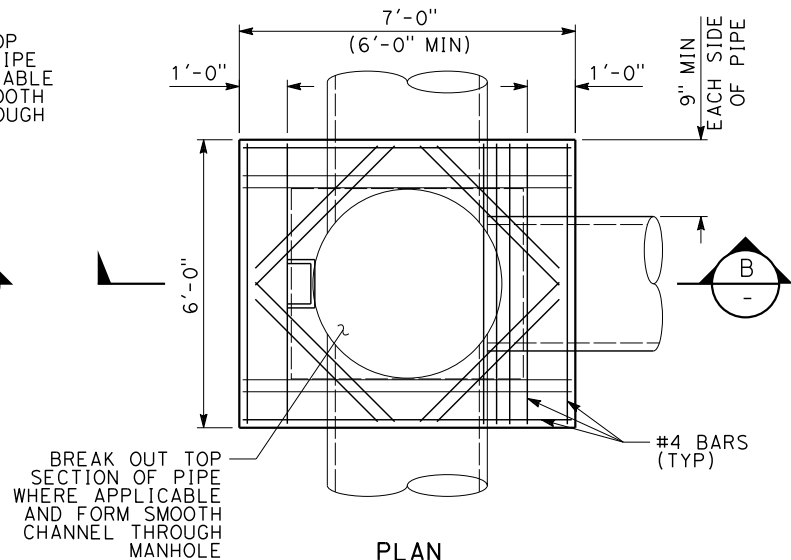


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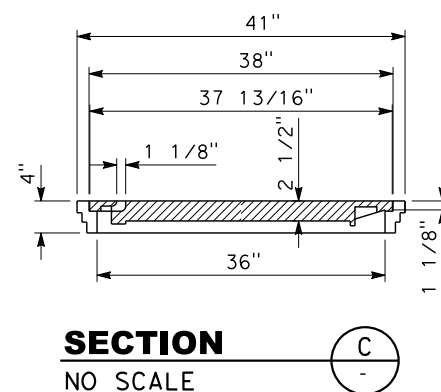
**MANHOLE FOR  
PIPE DIAMETER MORE THAN 36"**



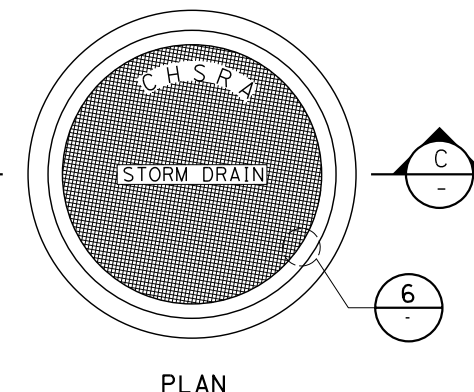
**DETAIL**  
NO SCALE



**DETAIL**  
NO SCALE

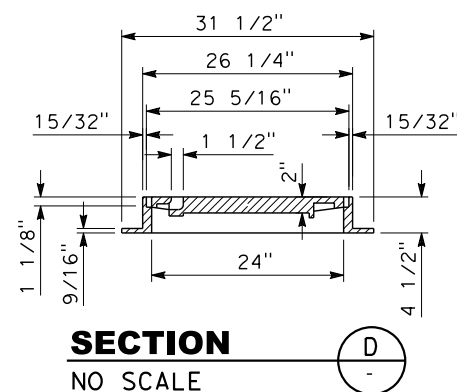


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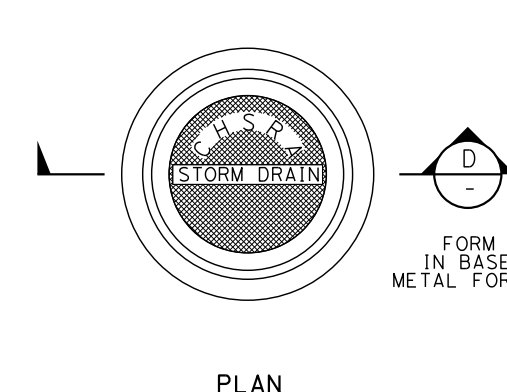


**TYPE 1 COVER AND FRAME**  
(WEIGHT=700#)

**DETAIL**  
NO SCALE

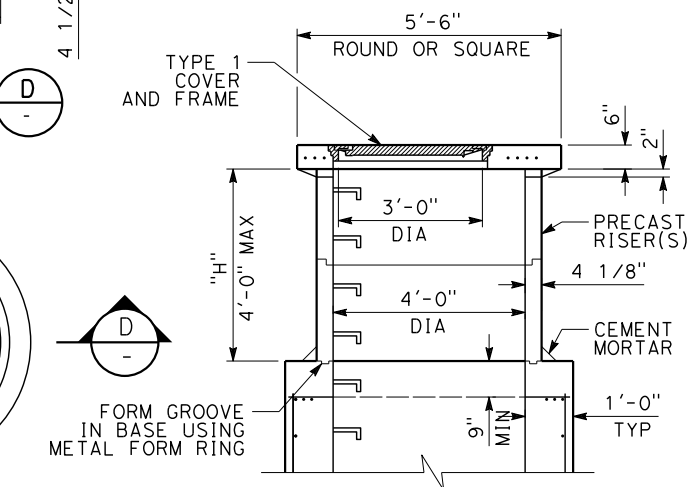


**SECTION**  
NO SCALE



**TYPE 2 COVER AND FRAME**  
(WEIGHT=320#)

**DETAIL**  
NO SCALE



**ALTERNATE CHIMNEY  
AND GRADE SLAB**  
(REQUIRED WHERE "H" IS LESS THAN 4'-0")

**DETAIL**  
NO SCALE

- NOTES:**
1. GROUT ALL JOINTS.
  2. ALL PORTLAND CEMENT CONCRETE SHALL BE CLASS 4000.
  3. PLACE STEPS ON DOWNSTREAM SIDE OF MANHOLE IF POSSIBLE.
  4. REFER TO CALTRANS STANDARD PLAN FOR STEP DETAILS (D74C).

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY K. SISTLA
DRAWN BY T. DOUNG
CHECKED BY A. ABTAHI
IN CHARGE J. CHIRCO
DATE 01/24/2014

**PARSONS  
BRINCKERHOFF**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
DRAINAGE STANDARD**

STORM DRAIN MANHOLES

CONTRACT NO.
DRAWING NO. SD-CD-902
SCALE NO SCALE
SHEET NO.

04/02/2014 - RFP No.: HSR13-57

1. RETAINING WALL STRUCTURE IS SCHEMATIC AND DOES NOT REPRESENT DESIGN.

[illegible]

DESIGNED BY	K. SISTLA
DRAWN BY	V. HUANTE
CHECKED BY	A. ABTAHI
IN CHARGE	J. CHIRCO
DATE	01/24/2014

**PARSONS  
BRINCKERHOFF**



**CALIFORNIA**  
HIGH-SPEED RAIL AUTHORITY

## CALIFORNIA HIGH-SPEED TRAIN PROJECT DRAINAGE STANDARD

## RETAINING WALL DRAINAGE DETAILS

CONTRACT NO.
DRAWING NO. SD-CD-903
SCALE NO SCALE
SHEET NO.

04/02/2014 - RFP No.: HSR13-57